Top Loading Aqueous Parts Washer

General Information

- The Top Loading Aqueous Parts Washer automatically cleans dirty, oily, and greasy parts by spraying them with a heated, aqueous-based cleaning solution. The system can be used as a closed cabinet parts washer or if manual cleaning is required, a hose and brush are provided.
- The unit has a built in oil skimming system and in-line filter to extend the effectiveness of the solution.
- The parts washer effects manhour reduction by reducing the time required to clean components by hand.

- TM Number SL172-AB-LSS-010
- APL: 41A990009
- NSN: 4940-01-470-7015

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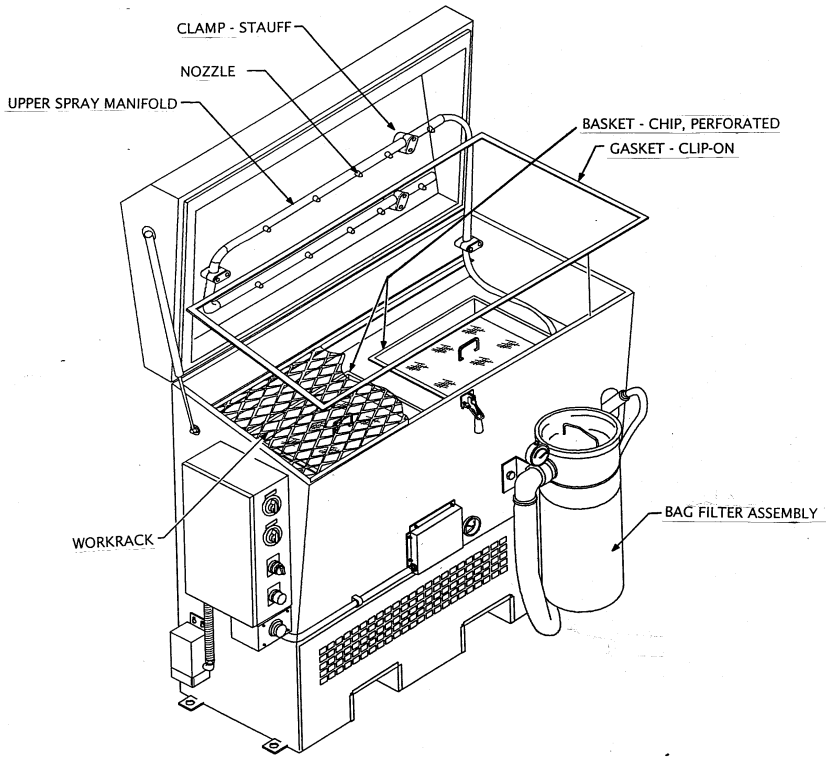

Operational Information

- Operator pre-heats the tank cleaning solution by turning the heat knob located on the front of the machine. The machine comes to temperature in less than one hour. The minimum operating temperature to ensure proper operation of the equipment is 140° F; the optimal temperature is 155° F. (Upon initial start up, low water light will be on for ~45 seconds.)
- Operator performs a daily equipment check prior to operation including checking the differential pressure through the in-line filter, cleaning debris from the chip baskets, check cleaning solution level, and checking the integrity of the hoses and clamps on the unit.
- Operator puts dirty, oily, or greasy component onto the rubber-coated expanded metal work rack. The rack can hold parts up to 300 Lbs distributed across the tray and can accommodate some ship filters, GSE equipment engine components, and some components which were previously cleaned using P-D-680.
- The operator closes the unit and turns the wash dial located on the front of the machine to approximately 15 minutes.

Operational Information

- The operator can open the unit and use the hand held brush to clean crevices or areas not completely cleaned by the unit.
- The detergent used in this machine contains a rust inhibitor and defoamer. Washer maintenance directs that the solution be monitored by performing a weekly titration. With regular, but small adjustments to the cleaning solution concentration, the solution can be used for up to six months.
- Only non-aircraft components are authorized to be cleaned. Consult applicable PMS or technical documentation.
- Check sludge level monthly. If greater than one inch, replace. Save cleaning solution for reuse if possible. Care should be taken when cleaning around heating elements. Tag out before cleaning. Check nozzles for debris and clean as necessary.
- Guidelines for proper disposal of the used cleaning solution can be found in OPNAVINST 5100.19 series, or by contacting the ship's hazardous material coordinator.
- Rust inhibitor in detergent will leave film on part. A clean rinse may be required if the film will interfere with the operation of the part.
- Clean y-strainer underneath tank when low

Safety Information

- Wear gloves when removing parts, parts will be hot.
- Wear goggles when handling detergent/defoamer.
- Wear goggles and rubber/neoprene gloves when titrating cleaning solution. Titration kit contains sulfuric acid.
- Wear faceshield to protect from steam when opening after cleaning.
- Do not have a mix of detergents in parts washer.

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